



Posix is short for Portable Operating System Interface for Unix and Oracle has incorporated it into its version of Regex.

The following characters can be used ...

**[::alnum:]** - Alphanumeric characters

**[::alpha:]** - Alphabetic characters

**[::blank:]** - Blank Space Characters

**[::cntrl:]** - Control characters (nonprinting)

**[::digit:]** - Numeric digits

**[::graph:]** - Any **[::punct:]**, **[::upper:]**, **[::lower:]**, and **[::digit:]**  
chars



**[lower:]** - Lowercase alphabetic characters

**[print:]** - Printable characters

**[punct:]** - Punctuation characters

**[space:]** - Space characters (nonprinting), such as carriage return, newline, vertical tab, and form feed

**[upper:]** - Uppercase alphabetic characters

**[xdigit:]** - Hexidecimal characters

## Regex – Using POSIX in Oracle - [:upper] example

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Posix can be used within any pattern, here the Developer is looking for an address beginning with a Uppercase character ...

Note the use of double square brackets ...

```
select con_address from contacts  
where regexp_like(con_address, '^[:upper:]')
```

*Dunroaming 16 Front Street Kynnersley TF6 8WT*

## Regex – Using POSIX in Oracle - [[:digit]] example

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Here the Developer is looking for an address beginning with three numbers ...

```
select con_address from contacts  
where regexp_like(con_address, '^[[[:digit:]]{3}')
```

*803 Carmarthen Road, Gendros, Cardiff CF3 5TH*



Character equivalents allow the Developer to treat letters with accents as the same value as the underlying letter, for example ...

```
select 'There is a C in the value' as output  
from sys.dual  
where regexp_like('Garçon', '[[=c=]]')
```

*OUTPUT*

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*There is a C in the value*